

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

**REQUEST FOR TASK PLAN / TASK ORDER**

<b>CONTRACTOR</b>	<b>CONTRACT NO./TASK NO.</b>	<b>JOB ORDER NUMBER</b>	<b>APPROP. FY</b>
QSS Group, Inc.	NAS5- 99124      TASK NO. 76      AMENDMENT	922-229-35-14-89	99

**TASK TITLE:** (NTE 80 characters; include Project name)

**MODIS Data Processing System (MODAPS)**

**APPROVALS:** (Type or print name and sign)

<b>ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)</b>	<b>DATE</b>	<b>ORG CODE</b>	<b>MAIL CODE</b>	<b>PHONE</b>
Edward Masuoka <i>Edward Masuoka</i>	5/6/99	922	922	301-614-5515
<b>BRANCH HEAD</b>	<b>DATE</b>	<b>CODE</b>	<b>PHONE</b>	
Edward Masuoka <i>Edward Masuoka</i>	5/6/99	922	301-614-5515	
<b>CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)</b>	<b>DATE</b>	<b>CODE</b>	<b>PHONE</b>	
Fred Huegel <i>Deborah A. Clark</i>	5/6/99	568	301-286-2285	
<b>FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE?</b> (IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)	<b>CONTRACTING OFFICER'S QUALITY REP.</b>		<b>DESIGNATED FAM:</b>	
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	Larry Moore			

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)

**C.O. Requested Quote on:**

**Date:** MAY 12 1999

Contractor will develop specification or statement of work under this task for a future procurement. ☒ NO      ☐ YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. ☐ NO      ☐ YES      ☒ N/A

Government Furnished Property/Facilities: ☐ NO      ☒ YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: ☒ NO      ☐ YES      If yes: ☐ TOTAL      ☐ PARTIAL  
If partial, indicate onsite work in SOW by asterisk (\*)

Surveillance Plan Attached: ☒ NO      ☐ YES

**Highlighted Contract Clauses:** (to be completed by Contracting Officer)

Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be May 12, 1999.

**INCENTIVE FEE STRUCTURE (check one)**

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

	<input checked="" type="checkbox"/> No. 1	<input type="checkbox"/> No. 2	<input type="checkbox"/> No. 3	<input type="checkbox"/> No. 4	<input type="checkbox"/> No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

(To be completed by Contracting Officer)

The target cost of this task order is \$ 113,021.

The target fee of this task order is \$ 627.

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 113,648.

The maximum fee is \$ 917.

The minimum fee is \$0.

**AUTHORIZED SIGNATURE:**

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

*Lorrie L. Eakin*

9/28/99

Lorrie L. Eakin  
Contracting Officer

SIGNATURE OF CONTRACTING OFFICER

DATE

TYPED NAME OF CONTRACTING OFFICER

**CONTRACTOR'S ACCEPTANCE:**

AUTHORIZED SIGNATURE

DATE

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NAS5-

99124

TASK NO.

76

AMENDMENT

Applicable paragraphs from contract Statement of Work: Function 2B

**STATEMENT OF WORK:** (Continue on blank paper if additional space is required)

The contractor shall perform following activities to support the development, testing and operations of the MODAPS:

1. Plan, coordinate and conduct MODAPS system acceptance test activities.
2. Generate MODAPS test plans, procedures and test reports for assigned MODAPS tests.
3. Analyze test results and performance data collected from MODAPS tests.
4. Participate in the design, development, and documentation of MODAPS interfaces and system architecture.
5. Attend and participate in regular MODAPS and MODIS meetings.

**PERFORMANCE SPECIFICATIONS:**

- a. Interface Control Document(s) will contain system and network connectivity information on interfacing systems and specify interface data flows, data transfer protocols, and data types and volumes. It will also provide a traceability of the interface requirements to the MODAPS and/or the external system requirement documents.
- b. MODAPS Test Plan(s) will provide an overall approach for verifying the system requirements for each version of the MODAPS. It will define functional, external interface, performance, operational and end-to-end test cases and scenarios for each MODAPS test. It will also contain a requirements verification matrix (plan) showing the compliance of each system requirement by one or more test cases.
- c. Test Procedure(s) will provide detailed configuration information on system hardware and software for the planned test environment. It will contain a detailed list of required test data sets and describe test objectives, test steps, expected results and success criteria for each test case/procedure, and an updated requirements verification matrix (plan) for the current test.
- d. Test Report(s) will provide an overall summary of the results from the execution of a test. It will discuss test execution time-line, problems encountered, assessment of test objectives met, and test statistics. Test statistics will include test successes and failures, data ingest, processing, archive, and distribution, and system throughput performances. It will also contain a matrix on the up-to-date verification status of MODAPS system requirements.
- e. System Architecture Document will provide detailed specification on hardware and COTS software configuration(s) of the MODAPS through its various enhancement stages. It will also describe the various assumptions and constraints used in configuring the MODAPS, as well as the system performance (sizing and timing) requirements and parameters affecting these configurations.

**APPLICABLE DOCUMENTS:**

1. MODIS Data Processing System Requirements Specification
2. MODIS Data Processing System (MODAPS) Operations Concept
3. MODIS Data Processing System (MODAPS) V1 System Description
4. Operations Agreement (OA) between MODAPS and EDC, NSIDC and GSFC DAACs.
5. MOU between ESDIS project and MODIS Team for development and operation of MODAPS

**TASK END DATE:** 12/31/99**MILESTONES/DELIVERABLES AND DATES:**

5/14/99	Review MODAPS Version 1 Test Plan
5/23/99	MOSS-2 Test Support Package
6/07/99	MODAPS Version 1 Test Report (part 1)
6/22/99	MOSS-2 Test Report
7/23/99	MODAPS Version 1 Test Report (part 2)
7/1-30/99	Weekly status reports for MODAPS operations testing
9/30/99	MODAPS V2 Acceptance Test Plan
12/31/99	MODAPS V2 Acceptance Test Report

**PERFORMANCE STANDARDS:**

**Schedule:** On-time delivery/completion of the above  
**Technical:** ATR's acceptance of the above

**FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):**

Ed Masuoka, building 32, room S-36J